clear of art

10/537,307 Yong Chu 07-26-2006

$%^STN;HighlightOn=;HighlightOff=;

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:ssptaylc1626

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	FEB 27	New STN AnaVist pricing effective March 1, 2006
NEWS	4	APR 04	STN AnaVist $500 visualization usage credit offered
NEWS	5	MAY 10	CA/CAplus enhanced with 1900-1906 U.S. patent records
NEWS	6	MAY 11	KOREAPAT updates resume
NEWS	7	MAY 19	Derwent World Patents Index to be reloaded and enhanced
NEWS	8	MAY 30	IPC 8 Rolled-up Core codes added to CA/CAplus and USPATFULL/USPAT2
NEWS	9	MAY 30	The F-Term thesaurus is now available in CA/CAplus
NEWS	10	JUN 02	The first reclassification of IPC codes now complete in INPADOC
NEWS	11	JUN 26	TULSA/TULSA2 reloaded and enhanced with new search and and display fields
NEWS	12	JUN 28	Price changes in full-text patent databases EPFULL and PCTFULL
NEWS	13	JUl 11	CHEMSAFE reloaded and enhanced
NEWS	14	JUl 14	FSTA enhanced with Japanese patents
NEWS	15	JUl 19	Coverage of Research Disclosure reinstated in DWPI

NEWS EXPRESS JUNE 30 CURRENT WINDOWS VERSION IS V8.01b, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 26 JUNE 2006.

NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS LOGIN	Welcome Banner and News Items
NEWS IPC8	For general information regarding STN implementation of IPC 8
NEWS X25	X.25 communication option no longer available

Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN Customer agreement. Please note that this agreement limits use to scientific research. Use for software development or design or implementation of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

* * * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 08:31:35 ON 26 JUL 2006

=>
=> file reg
COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION
FULL ESTIMATED COST | 0.21 | 0.21

FILE 'REGISTRY' ENTERED AT 08:31:53 ON 26 JUL 2006
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES: 25 JUL 2006 HIGHEST RN 895581-37-0
DICTIONARY FILE UPDATES: 25 JUL 2006 HIGHEST RN 895581-37-0

New CAS Information Use Policies, enter HELP USAGETERMS for details.

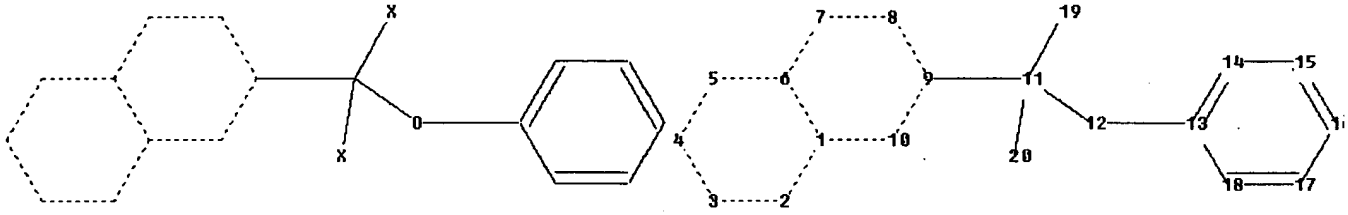
TSCA INFORMATION NOW CURRENT THROUGH January 6, 2006

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

http://www.cas.org/ONLINE/UG/regprops.html

=>
Uploading C:\Documents and Settings\ychu\Desktop\Case\10537307\10537307.str

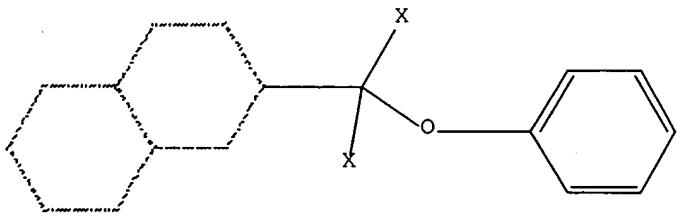


chain nodes :
11 12 19 20
ring nodes :
1 2 3 4 5 6 7 8 9 10 13 14 15 16 17 18
chain bonds :
9-11 11-12 11-19 11-20 12-13
ring bonds :
1-2 1-6 1-10 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 13-14 13-18 14-15 15-16
16-17 17-18
exact/norm bonds :
1-2 1-6 1-10 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 11-12 12-13
exact bonds :
9-11 11-19 11-20
normalized bonds :
13-14 13-18 14-15 15-16 16-17 17-18

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:CLASS 12:CLASS 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:CLASS
20:CLASS

L1 STRUCTURE UPLOADED

=> d
L1 HAS NO ANSWERS
L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l1
SAMPLE SEARCH INITIATED 08:32:20 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 202 TO ITERATE

100.0% PROCESSED 202 ITERATIONS 2 ANSWERS
SEARCH TIME: 00.00.02

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 3188 TO 4892
PROJECTED ANSWERS: 2 TO 124

L2 2 SEA SSS SAM L1

=> s l1 full
FULL SEARCH INITIATED 08:32:32 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 4240 TO ITERATE

100.0% PROCESSED 4240 ITERATIONS 13 ANSWERS
SEARCH TIME: 00.00.01

L3 13 SEA SSS FUL L1

=> file caplus
COST IN U.S. DOLLARS SINCE FILE ENTRY TOTAL SESSION
FULL ESTIMATED COST 166.94 167.15

FILE 'CAPLUS' ENTERED AT 08:32:39 ON 26 JUL 2006
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

FILE COVERS 1907 - 26 Jul 2006 VOL 145 ISS 5
FILE LAST UPDATED: 25 Jul 2006 (20060725/ED)

=> s l3
L4 5 L3

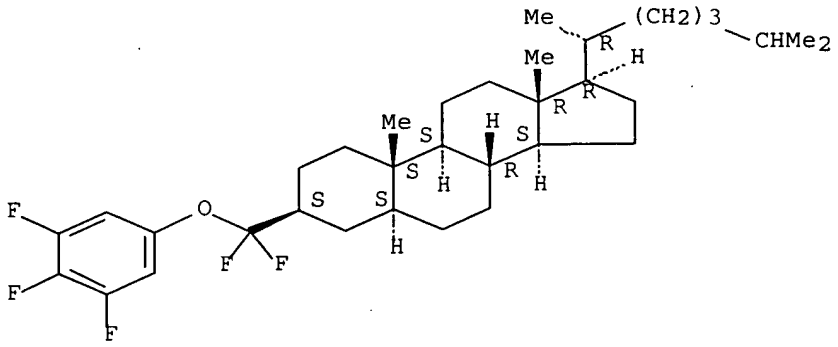
=> d ibib abs hitstr tot

L4 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2005:1321908 CAPLUS Full-text
DOCUMENT NUMBER: 145:93430
TITLE: Cholestane-based liquid crystals containing a difluorooxymethylene bridge
AUTHOR(S): Kirsch, Peer; Mergner, Thomas
CORPORATE SOURCE: Merck Ltd. Japan, Atsugi Technical Center, Aiko-gun, Kanagawa, 243-0303, Japan
SOURCE: Journal of Fluorine Chemistry (2006), 127(1), 146-149
CODEN: JFLCAR; ISSN: 0022-1139
PUBLISHER: Elsevier B.V.
DOCUMENT TYPE: Journal
LANGUAGE: English

AB A new class of steroid-based liq. crystals was synthesized and characterized with regard to their mesogenic and chiroptical properties. The .beta.-selective formation of the cholestanyl difluoromethyl ether bridge was achieved by an oxidative fluorodesulfuration procedure.

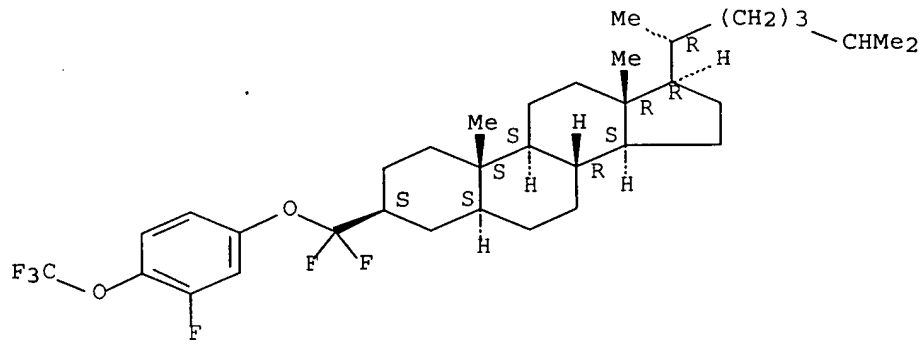
IT 861898-31-9P
RL: PEP (Physical, engineering or chemical process); PRP (Properties); PYP (Physical process); SPN (Synthetic preparation); PREP (Preparation); PROC (Process)
(0; prepn. and mesogenic and chiroptical properties of)
RN 861898-31-9 CAPLUS
CN Cholestane, 3-[difluoro(3,4,5-trifluorophenoxy)methyl]-, (3.beta.,5.alpha.)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



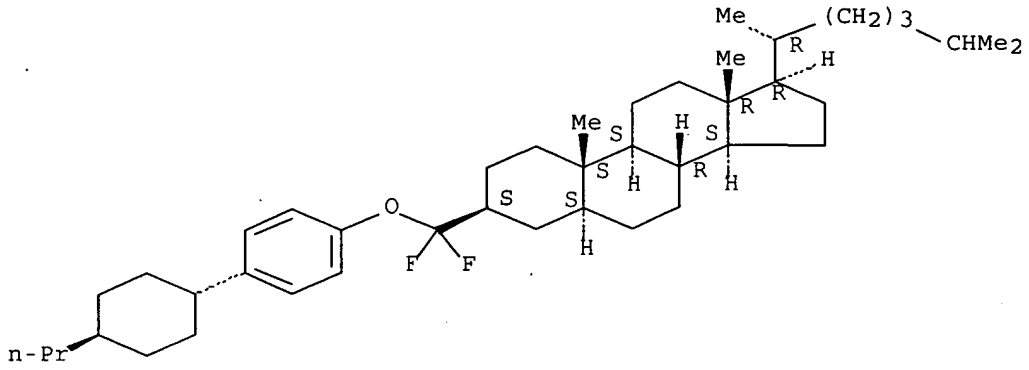
IT 861898-32-0P 861898-33-1P 861898-35-3P
RL: PEP (Physical, engineering or chemical process); PRP (Properties); PYP (Physical process); SPN (Synthetic preparation); PREP (Preparation); PROC (Process)
(prepn. and mesogenic and chiroptical properties of)
RN 861898-32-0 CAPLUS
CN Cholestane, 3-[difluoro[3-fluoro-4-(trifluoromethoxy)phenoxy]methyl]-, (3.beta.,5.alpha.)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



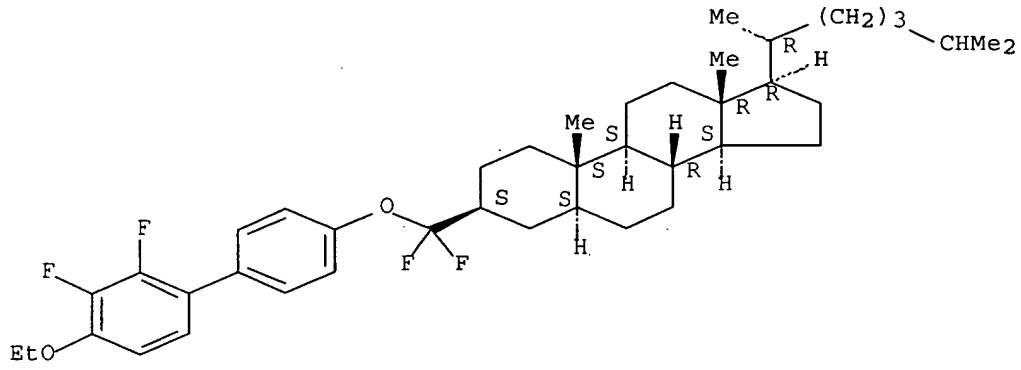
RN 861898-33-1 CAPLUS
CN Cholestane, 3-[difluoro[4-(trans-4-propylcyclohexyl)phenoxy]methyl]-, (3.beta.,5.alpha.)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 861898-35-3 CAPLUS
CN Cholestane, 3-[[(4'-ethoxy-2',3'-difluoro[1,1'-biphenyl]-4-yl)oxy]difluoromethyl]-, (3.beta.,5.alpha.)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



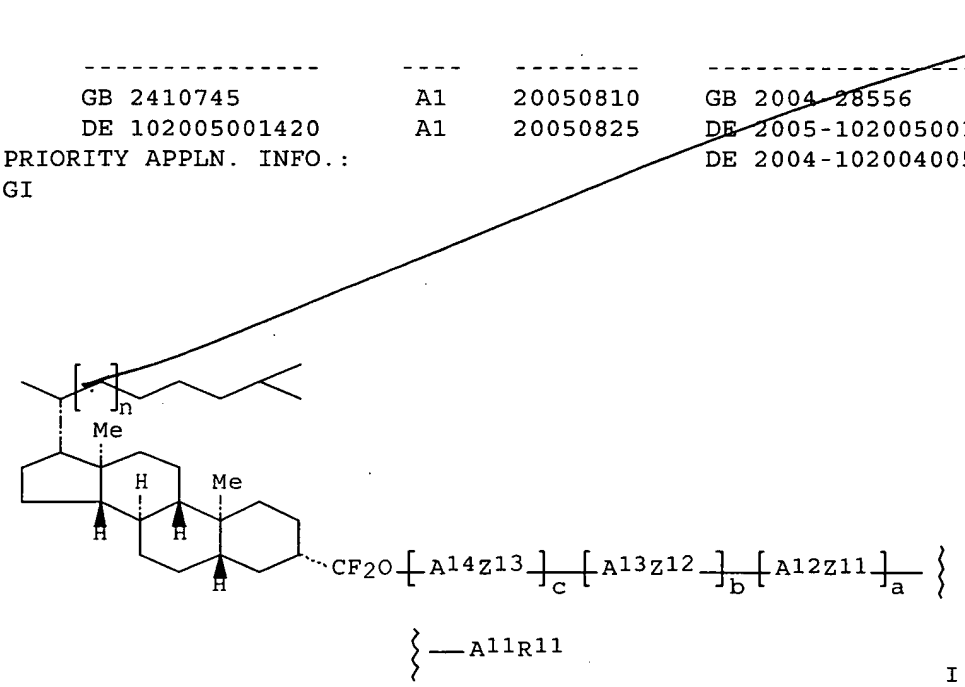
REFERENCE COUNT: 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2005:715543 CAPLUS Full-text
DOCUMENT NUMBER: 143:203011
TITLE: Liquid crystalline cholestanyl derivatives suitable as liquid crystal mixture components for liquid crystal display
INVENTOR(S): Kirsch, Peer; Mergner, Thomas; Heckmeier, Michael; Luessem, Georg
PATENT ASSIGNEE(S): Merck Patent G.m.b.H., Germany
SOURCE: Brit. UK Pat. Appl., 71 pp.
CODEN: BAXXDU
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE

GB 2410745	A1	20050810	GB 2004-28556	20041231
DE 102005001420	A1	20050825	DE 2005-102005001420	20050112
PRIORITY APPLN. INFO.:			DE 2004-102004005838A	20040206

GI



I

AB The invention relates to cholestanyl derivs. of formula I (n = 0, 1; a, b, c = 0, 1; R11 = H, -B(OH)2, -B(ORx)(ORy), halo, CN, SF5, NCS, C1-15-alkyl; Rx, Ry = C1-8-alkanyl, alkenyl; A11-14 = trans-1,4-cyclhexylene, 1,4-phenylene, etc.; Z11-13 = CH2O, OCH2, COO, OCO, etc.). These compds. may be useful in liq. cryst. media and electro-optical display elements. 4 Mixt. examples are given.

IT 861898-34-2P

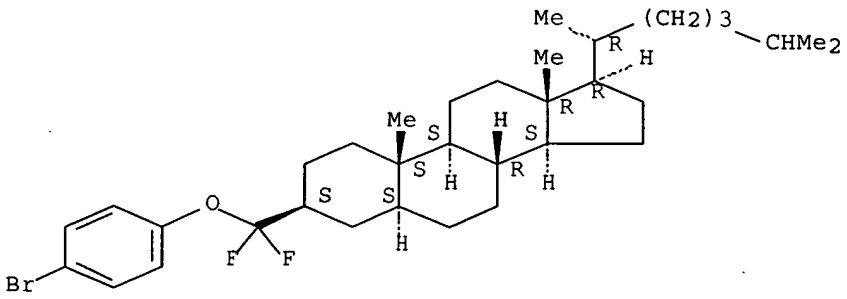
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(cholestanyl deriv. prepn.; liq. cryst. cholestanyl derivs. suitable as liq. crystal mixt. components for liq. crystal display)

RN 861898-34-2 CAPLUS

CN Cholestane, 3-[(4-bromophenoxy)difluoromethyl]-, (3.beta.,5.alpha.)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



IT 861898-31-9P 861898-32-0P 861898-33-1P
861898-35-3P

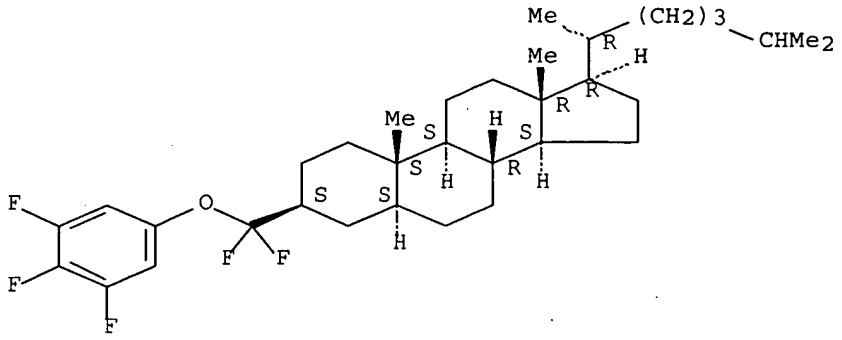
RL: SPN (Synthetic preparation); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)

(cholestanyl deriv. prepn.; liq. cryst. cholestanyl derivs. suitable as liq. crystal mixt. components for liq. crystal display)

RN 861898-31-9 CAPLUS

CN Cholestane, 3-[difluoro(3,4,5-trifluorophenoxy)methyl]-, (3.beta.,5.alpha.)- (9CI) (CA INDEX NAME)

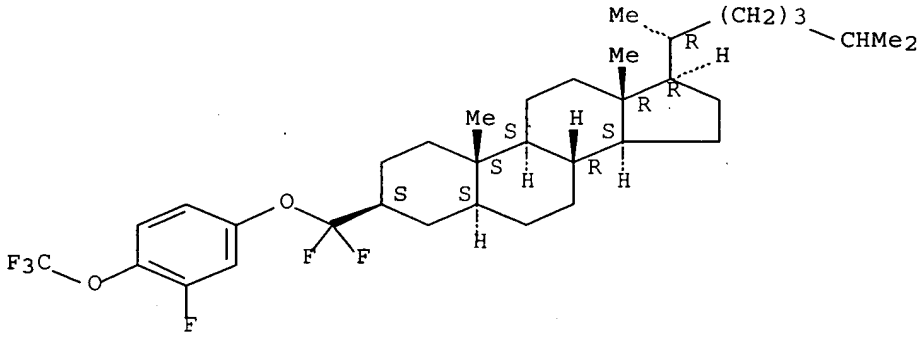
Absolute stereochemistry.



RN 861898-32-0 CAPLUS

CN Cholestane, 3-[difluoro[3-fluoro-4-(trifluoromethoxy)phenoxy]methyl]-, (3.beta.,5.alpha.)- (9CI) (CA INDEX NAME)

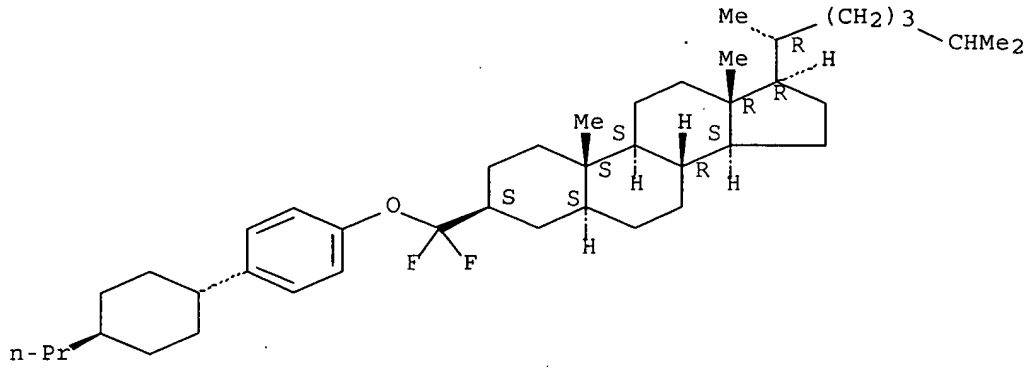
Absolute stereochemistry.



RN 861898-33-1 CAPLUS

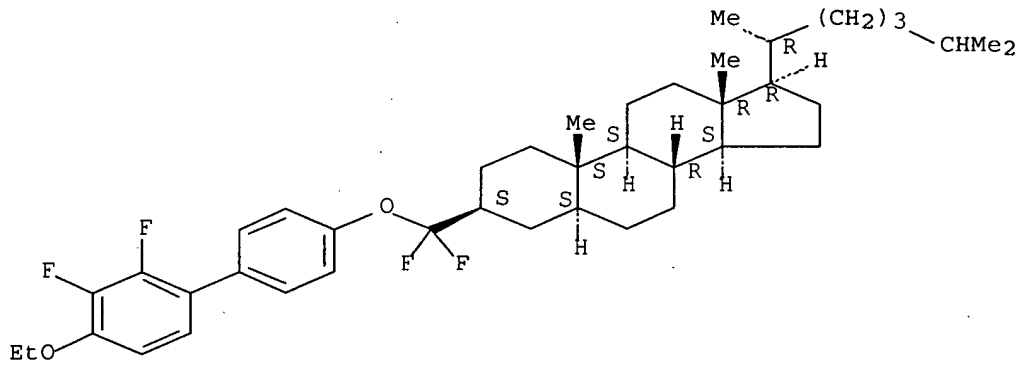
CN Cholestane, 3-[difluoro[4-(trans-4-propylcyclohexyl)phenoxy]methyl]-, (3.beta.,5.alpha.)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 861898-35-3 CAPLUS
CN Cholestane, 3-[[(4'-ethoxy-2',3'-difluoro[1,1'-biphenyl]-4-yl)oxy]difluoromethyl]-, (3.beta.,5.alpha.)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



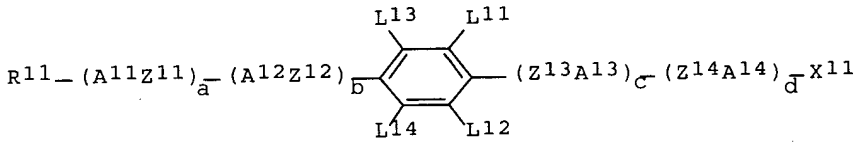
REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2005:182778 CAPLUS Full-text
DOCUMENT NUMBER: 142:287912
TITLE: Mesogenic compounds, medium for electro-optical displays and electro-optical display
INVENTOR(S): Kirsch, Peer; Montenegro, Elvira; Farrand, Louise Diane; Pauluth, Detlef; Heckmeier, Michael
PATENT ASSIGNEE(S): Merck Patent G.m.b.H., Germany
SOURCE: PCT Int. Appl., 134 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE

WO 2005019378 A1 20050303 WO 2004-EP8942 20040810
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
EP 1658351 A1 20060524 EP 2004-763959 20040810
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK
PRIORITY APPLN. INFO.: EP 2003-18707 A 20030825
WO 2004-EP8942 W 20040810

OTHER SOURCE(S): MARPAT 142:287912
GI

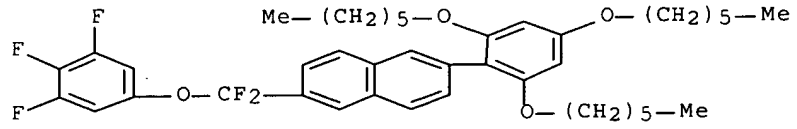


I

AB The instant invention relates to liq. crystal media comprising a strongly dielec. pos. component A, comprising one or more compds. of formula I (a, b, c, d = 0, 1, 2; R11 = H, C1-15-alkyl, alkoxy; L11-14 = H, C1-15-alkyl, alkoxy; X11 = H, halo, CN, NCS, SF5, SRz, SO2Rz, C1-15-alkyl, alkoxy; Rz = C1-7-alkyl; A11-14 = specified ring; Z11-14 = single bond, CH2CH2, CH2CH2CH2CH2, CF2CF2, CF2CH2, CH2CF2, CH:CH, CF:CF, CF:CH, CH:CF, C.tplbond.C, CH2O, OCH2, CF2O, OCF2, COO, OCO). It also relates to the compds. as such and to mesogenic or liq. cryst. mixts. comprising these compds.

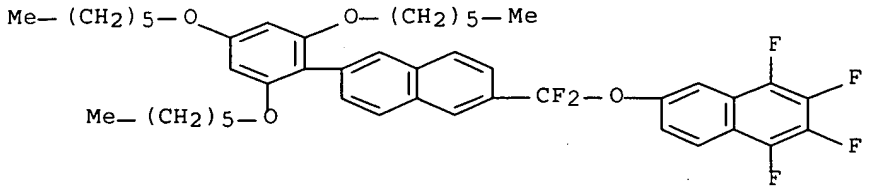
IT 847197-98-2P 847197-99-3P 847198-26-9P
847198-29-2P 847198-30-5P
RL: PRP (Properties); SPN (Synthetic preparation); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(synthesis of mesogenic compds. for liq. crystal mixt. suitable for electro-optical displays)

RN 847197-98-2 CAPLUS
CN Naphthalene, 2-[difluoro(3,4,5-trifluorophenoxy)methyl]-6-[2,4,6-tris(hexyloxy)phenyl]- (9CI) (CA INDEX NAME)

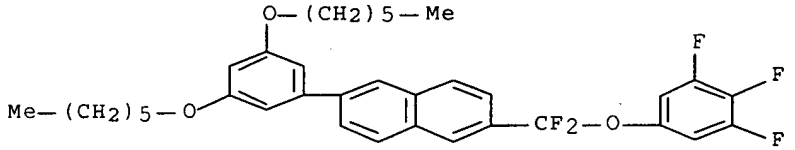


RN 847197-99-3 CAPLUS

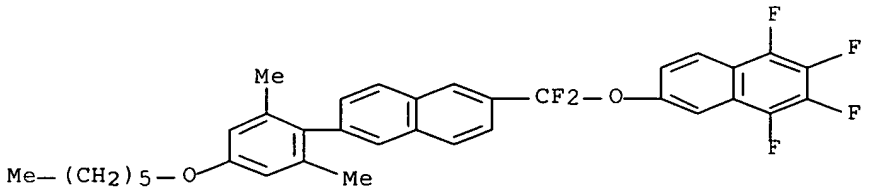
CN Naphthalene, 6-[difluoro[6-[2,4,6-tris(hexyloxy)phenyl]-2-naphthalenyl]methoxy]-1,2,3,4-tetrafluoro- (9CI) (CA INDEX NAME)



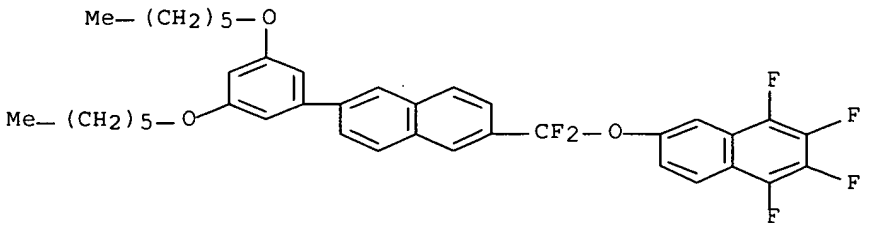
RN 847198-26-9 CAPLUS
CN Naphthalene, 2-[3,5-bis(hexyloxy)phenyl]-6-[difluoro(3,4,5-trifluorophenoxy)methyl]- (9CI) (CA INDEX NAME)



RN 847198-29-2 CAPLUS
CN Naphthalene, 6-[difluoro[6-[4-(hexyloxy)-2,6-dimethylphenyl]-2-naphthalenyl]methoxy]-1,2,3,4-tetrafluoro- (9CI) (CA INDEX NAME)



RN 847198-30-5 CAPLUS
CN Naphthalene, 6-[[6-[3,5-bis(hexyloxy)phenyl]-2-naphthalenyl]difluoromethoxy]-1,2,3,4-tetrafluoro- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

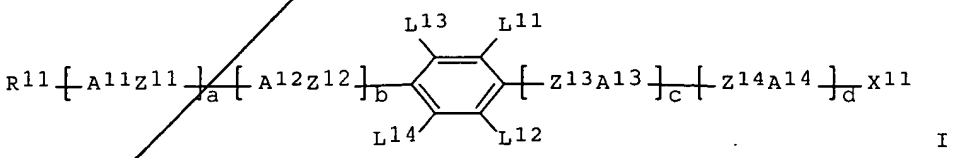
L4 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2005:182777 CAPLUS Full-text
DOCUMENT NUMBER: 142:287911
TITLE: Compounds for use in liquid crystal media
INVENTOR(S): Kirsch, Peer; Montenegro, Elvira; Farrand, Louise Diane; Pauluth, Detlef; Heckmeier, Michael
PATENT ASSIGNEE(S): Merck Patent G.m.b.H., Germany
SOURCE: PCT Int. Appl., 181 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005019377	A1	20050303	WO 2004-EP8439	20040728
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1658350	A1	20060524	EP 2004-763558	20040728
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK				

PRIORITY APPLN. INFO.: EP 2003-18708 A 20030825
WO 2004-EP8439 W 20040728

OTHER SOURCE(S): MARPAT 142:287911
GI

Not file in this Country



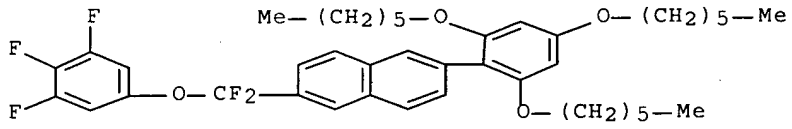
I

AB The present invention is related to compds. of general formula I (a, b, c, d = 0, 1, 2; R11 = H, C1-15-alkyl, alkoxy; L11-14 = H, halo, CN, C1-15-alkyl, alkoxy; X11 = H, halo, CN, NCS, SF5, SRz, SO2Rz, C1-15-alkyl, alkoxy; Rz = C1-7-alkyl; A11-14 = specified ring; Z11-14 = single bond, CH2CH2, CH2CH2CH2CH2, CF2CF2, CF2CH2, CH2CF2, CH:CH, CF:CF, CF:CH, CH:CF, C.tplbond.C, CH2O, OCH2, CF2O, OCF2, COO, OCO) for use in liq. crystal media, liq. crystal media

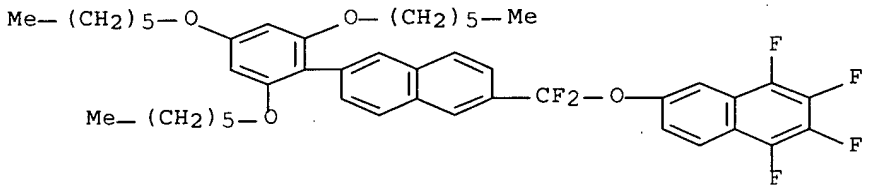
comprising said compds., the use of said media in electro-optical devices, said electro-optical devices, and the use of said compds. in mesogenic media for use in electro-optical devices that may be operated in an optically isotropic state.

IT 847197-98-2P 847197-99-3P 847198-26-9P
847198-29-2P 847198-30-5P
RL: PRP (Properties); SPN (Synthetic preparation); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(synthesis of mesogenic compds. for use in liq. crystal media)

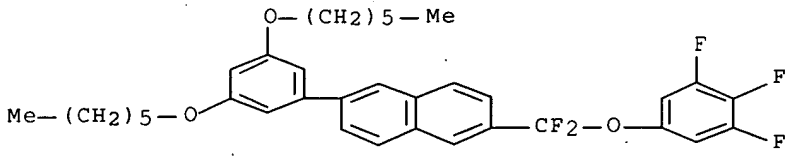
RN 847197-98-2 CAPLUS
CN Naphthalene, 2-[difluoro(3,4,5-trifluorophenoxy)methyl]-6-[2,4,6-tris(hexyloxy)phenyl]- (9CI) (CA INDEX NAME)



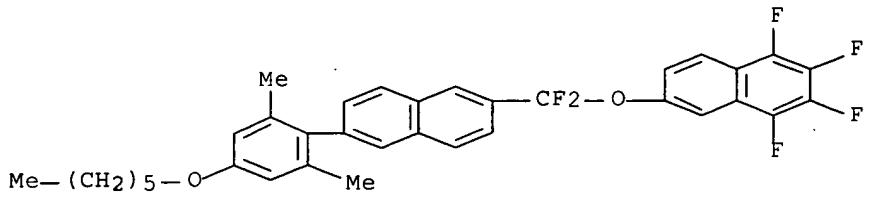
RN 847197-99-3 CAPLUS
CN Naphthalene, 6-[difluoro[6-[2,4,6-tris(hexyloxy)phenyl]-2-naphthalenyl]methoxy]-1,2,3,4-tetrafluoro- (9CI) (CA INDEX NAME)



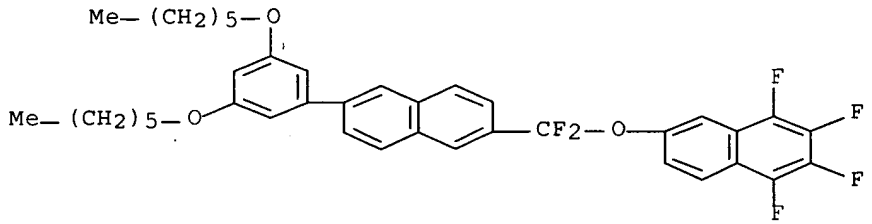
RN 847198-26-9 CAPLUS
CN Naphthalene, 2-[3,5-bis(hexyloxy)phenyl]-6-[difluoro(3,4,5-trifluorophenoxy)methyl]- (9CI) (CA INDEX NAME)



RN 847198-29-2 CAPLUS
CN Naphthalene, 6-[difluoro[6-[4-(hexyloxy)-2,6-dimethylphenyl]-2-naphthalenyl]methoxy]-1,2,3,4-tetrafluoro- (9CI) (CA INDEX NAME)



RN 847198-30-5 CAPLUS
CN Naphthalene, 6-[[6-[3,5-bis(hexyloxy)phenyl]-2-naphthalenyl]difluoromethoxy]-1,2,3,4-tetrafluoro- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2004:490806 CAPLUS Full-text
DOCUMENT NUMBER: 141:54075
TITLE: Method for producing naphthalene derivatives
INVENTOR(S): Poetsch, Eike; Binder, Werner; Kirsch, Peer; Taugerbeck, Andreas
PATENT ASSIGNEE(S): Merck Patent G.m.b.H., Germany
SOURCE: PCT Int. Appl., 32 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004050594	A1	20040617	WO 2003-EP12039	20031030
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2003278156	A1	20040623	AU 2003-278156	20031030
EP 1581469	A1	20051005	EP 2003-769471	20031030

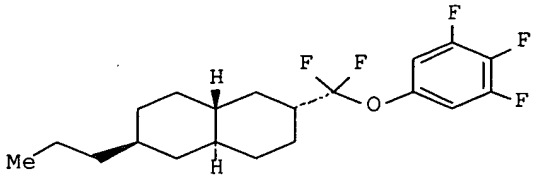
Current app.

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK

CN 1732142	A	20060208	CN 2003-80107951		20031030
DE 10351434	A1	20040624	DE 2003-10351434		20031104
US 2006025615	A1	20060202	US 2005-537307		20050602
PRIORITY APPLN. INFO.:			DE 2002-10256362	A	20021203
			WO 2003-EP12039	W	20031030

OTHER SOURCE(S): CASREACT 141:54075; MARPAT 141:54075

GI



II

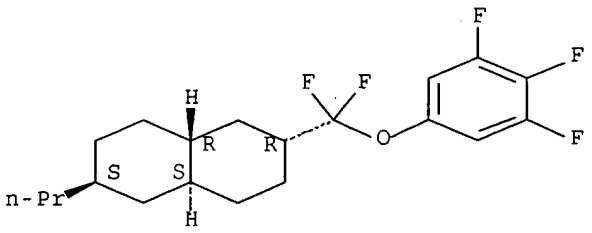
AB The invention relates to a method for producing a compd. R-(A1-Z-)mB-CF2O-A2-(A3)n-R' [I; R = alkyl, in which one or more CH2 groups can be substituted, independently of one another, by O, CF2, CH = CH, CH = CF, CF = CF, with the exclusion of peroxide structures O-O and formaldehyde acetals O-CH2-O; A1 = 1,4-cyclohexylene, 2,5- and 1,3-dioxanylene, 1,3-cyclobutylene, spiro[3.3]heptane-2,6-diyl; A2, A3 = 1,4-phenylene, in which independently of one another one to four hydrogen atoms can be substituted by fluorine or one or two CH groups can be substituted by N; Z = a single bond, CH2CH2, CF2CF2, CH:CH, CF:CF, CH:CF or CF:CH; B = 2,6-disubstituted naphthalene, 2,6-disubstituted 5,6,7,8-tetrahydronaphthalene, 2,6-disubstituted trans-decalin; R' = R, F, OCF3, OCF2H, CF3, Cl, SF5, CN, NCS, and m, n = 0, 1]. The method comprises the following steps: (a) conversion of a compd. R-(A1-Z-)mBX, [X = halogen, :O], into a carboxylic acid deriv. with the expulsion of group X and introduction of a C1 structural element; (b) reaction of the carboxylic acid deriv. with a phenol, HO-A2(-A3)n-R', to form I. Thus, naphthalene deriv. II was prepd. from 2-bromo-6-propyldecalin via, Grignard carboxylation, cyclocondensation with HS(CH2)3SH to give the dithiane onium salt, addn. of 3,4,5-trifluorophenol and fluorination with Et3N.cntdot.3HF.

IT 705261-96-7P 705261-98-9P 705262-00-6P
RL: SPN (Synthetic preparation); PREP (Preparation)
(method for producing naphthalene derivs.)

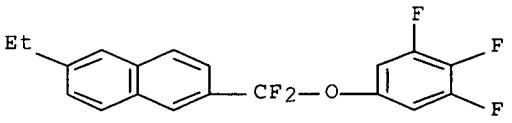
RN 705261-96-7 CAPLUS

CN Naphthalene, 2-[difluoro(3,4,5-trifluorophenoxy)methyl]decahydro-6-propyl-, (2R,4aS,6S,8aR)-rel- (9CI) (CA INDEX NAME)

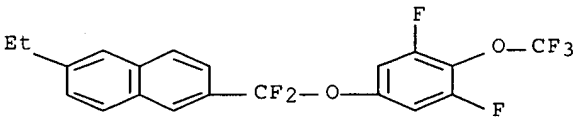
Relative stereochemistry.



RN 705261-98-9 CAPLUS
CN Naphthalene, 2-[difluoro(3,4,5-trifluorophenoxy)methyl]-6-ethyl- (9CI) (CA INDEX NAME)



RN 705262-00-6 CAPLUS
CN Naphthalene, 2-[[3,5-difluoro-4-(trifluoromethoxy)phenoxy]difluoromethyl]-6-ethyl- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=>

---Logging off of STN---

=>
Executing the logoff script...

=> LOG Y

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	26.01	193.16

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) SINCE FILE TOTAL

	ENTRY	SESSION
CA SUBSCRIBER PRICE	-3.75	-3.75

STN INTERNATIONAL LOGOFF AT 08:33:28 ON 26 JUL 2006